## **AMENDMENTS TO THE CLAIMS:**

- 1. (Cancelled)
- 2. (Cancelled)
- 3. (Previously Presented) An apparatus for connecting to an orthopedic implant, comprising:
  - a base having a relatively forward end and a relatively rearward end;
- a shaft connected to said base, said shaft being slidable with respect to said base between first and second positions;
- a plate having an aperture, said plate being pivotably connected to said shaft, such that when said shaft is in said first position said plate is in a position for locking to an implant, and when said shaft is slid to said second position, said plate pivots to a position for accepting insertion of a part of an implant;
- a sleeve at least partially surrounding said shaft and being slidable along said shaft and slidable with respect to said base and said plate;
- a ratchet mechanism connected to said base and said sleeve, said ratchet mechanism operable to move said sleeve with respect to said base, said shaft and said plate; and
- a handle including an actuator movably connected to said base, said actuator operating said ratchet mechanism when said actuator is moved relative to said base.
- 4. (Original) The apparatus of claim 3, wherein said actuator is pivotably connected to said base, said actuator operating said ratchet mechanism when said actuator is pivoted relative to said base.
- 5. (Original) The apparatus of claim 4, wherein said handle further includes a stock rigidly connected to said base.

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6. (Original) The apparatus of claim 5, further comprising at least one spring

between said actuator and said stock, said at least one spring tending to bias the actuator and

stock apart.

7. (Original) The apparatus of claim 6, wherein said at least one spring comprises a

leaf spring.

8. (Original) The apparatus of claim 6, wherein said at least one spring comprises a

first leaf spring connected to said actuator and a second leaf spring connected to said stock,

wherein said leaf springs are connected together so as to bias the actuator and stock apart.

9. (Original) The apparatus of claim 6, further comprising a stop connected to said

base, said stop having a first position connected to said ratchet mechanism so that movement in a

rearward direction of said sleeve is limited, and a second position disengaged from said ratchet

mechanism so that said sleeve can be moved in a rearward direction.

10. (Previously Presented) The apparatus of claim 9, wherein said stop is biased

toward said first position.

11. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant;

a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate;

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a ratchet mechanism connected to said base and said sleeve, said ratchet mechanism

operable to move said sleeve with respect to said base, said shaft and said plate; and

a stop connected to said base, said stop having at least one position connected to said

ratchet mechanism in which movement in a rearward direction of said sleeve is limited, and a

position disengaged from said ratchet mechanism so that said sleeve can be moved in a rearward

direction.

12. (Original) The apparatus of claim 11, wherein said stop comprises at least one

pawl that is pivotable between said at least one position connected to said ratchet mechanism and

said position disengaged from said ratchet mechanism.

13. (Original) The apparatus of claim 12 wherein said stop comprises three pawls

capable of operating independently of each other.

14. (Original) The apparatus of claim 13 wherein said pawls are nested.

15. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant; and

a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate,

wherein said aperture of said plate is at least partially tapered.

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16. (Original) The apparatus of claim 15, wherein said aperture of said plate has a

constant diameter section.

17. (Original) The apparatus of claim 15, wherein said plate includes a roughened

surface adjacent said aperture.

18. (Previously Presented) The apparatus of claim 15, wherein said aperture of said

plate is uniformly tapered.

19. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant;

a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate; and

wherein said plate includes a rounded surface and said shaft includes an indentation, and

said indentation and said rounded surface are adjacent each other.

20. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

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when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant;

a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate; and

wherein said plate includes a rounded surface that facilitates pivoting of said plate.

21. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant;

a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate; and

wherein said sleeve includes an end portion adapted to contact at least one of the group

consisting of a spinal rod, an orthopedic connector, and an orthopedic plate.

22. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant;

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a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate; and

wherein said shaft includes an elongated portion and a plunger portion connected to each

other.

23. (Original) The apparatus of claim 22, wherein said elongated portion includes a

tongue and said plunger portion includes a groove, and said tongue is at least partially within

said groove.

24. (Original) The apparatus of claim 22, further comprising at least one spring

abutting said plunger to bias said plunger toward said relatively forward end of said base.

25. (Original) The apparatus of claim 22, further comprising at least two springs

abutting said plunger to bias said plunger toward said relatively forward end of said base.

(Original) The apparatus of claim 25, wherein said springs are substantially 26.

concentric.

27. (Previously Presented) An apparatus for connecting to an orthopedic implant,

comprising:

a base having a relatively forward end and a relatively rearward end;

a shaft connected to said base, said shaft being slidable with respect to said base between

first and second positions;

a plate having an aperture, said plate being pivotably connected to said shaft, such that

when said shaft is in said first position said plate is in a position for locking to an implant, and

when said shaft is slid to said second position, said plate pivots to a position for accepting

insertion of a part of an implant;

a sleeve at least partially surrounding said shaft and being slidable along said shaft and

slidable with respect to said base and said plate; and

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wherein said base comprises an upper base portion and a lower base portion connected

together.

28. (Original) The apparatus of claim 27, further comprising a closure connected to

said upper base portion and said lower base portion, wherein closing said closure holds said base

portions together, and opening said closure allows separation of at least a part of said upper base

portion from at least a part of said lower base portion.

29. (Original) The apparatus of claim 28, wherein said closure includes a latch.

30. (Original) The apparatus of claim 28, wherein said base portions are pivotably

connected, whereby opening said closure allows said base portions to pivot with respect to each

other.

31. (Original) The apparatus of claim 27, wherein said base portions are pivotably

connected together.

32-41. (Cancelled)

42. (Currently Amended) An apparatus for use in orthopedic surgery, comprising:

an orthopedic implant;

a plate member having first and second edges substantially opposite each other and an

aperture extending entirely through said plate member;

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate;

a sleeve slidable with respect to said shaft; and

a base connected to said shaft,

wherein said aperture is sized to allow insertion of at least part of an the orthopedic

implant, and wherein said plate member has a first position in which said aperture is relatively

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open and such insertion can be accomplished with the orthopedic implant positioned within said

aperture and extending through said plate member, and a second position in which said aperture

is relatively closed and an inner surface of said aperture in said plate ean is in contact with the

orthopedic implant.

43. (Currently Amended) The apparatus of claim 42, further comprising An apparatus

for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture;

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

<u>plate;</u>

a sleeve slidable with respect to said shaft;

a base connected to said shaft;

an actuator movably connected to said base, said actuator operating said ratchet

mechanism when said actuator is moved relative to said base; and

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant.

44. (Original) The apparatus of claim 42, further comprising a stock connected to said

base.

45. (Currently Amended) The apparatus of claim 44, further comprising An apparatus

for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture;

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a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate;

a sleeve slidable with respect to said shaft;

a base connected to said shaft;

a stock connected to said base;

a first leaf spring connected to said actuator and a second leaf spring connected to said

stock, wherein said leaf springs are connected together so as to bias the actuator and stock apart;

<u>and</u>

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant.

46. (Previously Presented) The apparatus of claim 70 further comprising a stop

connected to said base, said stop having at least one position connected to said ratchet

mechanism in which movement in a rearward direction of said sleeve is limited, and a position

disengaged from said ratchet mechanism so that said sleeve can be moved in a rearward

direction.

47. (Original) The apparatus of claim 46, wherein said stop comprises at least one

pawl that is pivotable between said at least one position connected to said ratchet mechanism and

said position disengaged from said ratchet mechanism.

48. (Original) The apparatus of claim 47 wherein said stop comprises three pawls

capable of operating independently of each other.

49. (Original) The apparatus of claim 48 wherein said pawls are nested.

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50. (Original) The apparatus of claim 42, wherein said base comprises an upper base

portion and a lower base portion connected together.

51. (Currently Amended) The apparatus of claim 50 54, further comprising a closure

connected to said upper base portion and said lower base portion, wherein closing said closure

holds said base portions together, and opening said closure allows separation of at least a part of

said upper base portion from at least a part of said lower base portion

52. (Original) The apparatus of claim 51, wherein said closure includes a latch.

53. (Currently Amended) The apparatus of claim 51, wherein said base portions are

pivotably connected, whereby opening said closure allows said base portions to pivot with

respect to each other.

54. (Currently Amended) The apparatus of claim 50, An apparatus for use in

orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture;

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate;

a sleeve slidable with respect to said shaft;

a base connected to said shaft, wherein said base comprises an upper base portion and a

lower base portion connected together and wherein said base portions are pivotably connected

together; and

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant.

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55. (Currently Amended) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture extending entirely through said plate member, said aperture including an inner circular

surface; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate,

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant, and wherein said inner circular surface

of said aperture of said plate is at least partially tapered.

56. (Currently Amended) The apparatus of claim 55, An apparatus for use in

orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate,

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant, and wherein said aperture of said plate

is at least partially tapered, and wherein said aperture of said plate has a constant diameter

section.

57. (Currently Amended) The apparatus of claim 55, An apparatus for use in

orthopedic surgery, comprising:

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a plate member having first and second edges substantially opposite each other and an

aperture; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate,

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant, and wherein said aperture of said plate

is at least partially tapered, and wherein said aperture of said plate is uniformly tapered.

58. (Currently Amended) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

<del>plate,</del>

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant, and The apparatus of claim 42, wherein

said plate includes a roughened surface adjacent said aperture.

59. (Previously Presented) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate,

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wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant, and wherein said plate includes a

rounded surface and said shaft includes an indentation, and said indentation and said rounded

surface are adjacent each other.

60. (Currently Amended) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate,

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

elosed and said plate can contact the orthopedic implant, and The apparatus of claim 42, wherein

said second edge of said plate includes a rounded surface that facilitates pivoting of said plate.

61. (Previously Presented) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture; and

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate,

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant, and wherein said shaft includes an

elongated portion and a plunger portion connected to each other.

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62. (Original) The apparatus of claim 61, wherein said elongated portion includes a

tongue and said plunger portion includes a groove, and said tongue is at least partially within

said groove.

63. (Original) The apparatus of claim 61, further comprising at least one spring

abutting said plunger to bias said plunger toward said relatively forward end of said base.

64. (Original) The apparatus of claim 61, further comprising at least two springs

abutting said plunger to bias said plunger toward said relatively forward end of said base.

65. (Original) The apparatus of claim 64, wherein said springs are substantially

concentric.

66. (Previously Presented) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture;

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate; and

a lever connected to said shaft, wherein operating said lever causes said shaft to move,

thereby pivoting said plate, and wherein said aperture is sized to allow insertion of at least part of

an orthopedic implant, and wherein said plate member has a first position in which said aperture

is relatively open and such insertion can be accomplished, and a second position in which said

aperture is relatively closed and said plate can contact the orthopedic implant.

67. (Previously Presented) An apparatus for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture;

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a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate; and

a slider connected to said shaft, wherein operating said slider causes said shaft to move,

thereby pivoting said plate, and wherein said aperture is sized to allow insertion of at least part of

an orthopedic implant, and wherein said plate member has a first position in which said aperture

is relatively open and such insertion can be accomplished, and a second position in which said

aperture is relatively closed and said plate can contact the orthopedic implant.

68. (Previously Presented) The apparatus of claim 47 wherein said stop comprises

two pawls capable of operating independently of each other.

69. (Previously Presented) The apparatus of claim 42, wherein said sleeve includes an

end portion adapted to contact at least one of the group consisting of a spinal rod, an orthopedic

connector, and an orthopedic plate.

70. (Currently Amended) The apparatus of claim 42, further comprising An apparatus

for use in orthopedic surgery, comprising:

a plate member having first and second edges substantially opposite each other and an

aperture;

a shaft connected to said plate member adjacent said first edge of said plate member, said

shaft being movable to pivot said plate member substantially around said second edge of said

plate;

a sleeve slidable with respect to said shaft;

a ratchet mechanism operable to move said sleeve with respect to said shaft and said

plate; and

a base connected to said shaft,

wherein said aperture is sized to allow insertion of at least part of an orthopedic implant,

and wherein said plate member has a first position in which said aperture is relatively open and

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such insertion can be accomplished, and a second position in which said aperture is relatively

closed and said plate can contact the orthopedic implant.